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Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=12; day=27; hr=20; min=40; sec=54; ms=964;
]

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Reviewer Comments:

List of sequences

<110> Chernysh Sergey Ivanovich

Please replace "List of sequences" with "SEQUENCE LISTING"

<210> 1

<211> 13

<212> PRT

<213> Artificial sequence

<220>

<223> Allostatin 1

<400> 1

His Gly Val Ser Gly Trp Gly Gln His Gly Thr His Gly

1

5

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As an explanation for "<213> Artificial Sequence" "Allostatin 1" needs more information regarding the source of the genetic material. Also, the amino acid numbers above are misaligned: do not use TAB codes between the amino acid numbers; TABs cause misalignment. Please use space characters, instead.

<210> 2

<211> 264

<212> PRT

<213> Tragelaphus strepsiceros

<220>

<223> fragment AA 80-91 of Trast prion protein 1 precursor (PrP1 Trast)

<308> Swissprot P40242

<309> 1995-02-31

<400> 2

His Gly Gly Gly Trp Gly Gln Pro His Gly Gly Gly

1

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Although the above <211> response is "264," only 12 amino acids are shown. Please insert a "<300>" above the <308> numeric identifier. "<300>" is a mandatory header for all publication data; it never has a response. This error also appears in subsequent sequences. The above amino acid numbers are misaligned--this error also appears in subsequent sequences.

<210> 3

<211> 264

<212> PRT

<213> Tragelaphus strepsiceros

<220>

<223> fragment AA 96-108 of Trast prion protein 1 precursor (PrP1 Trast)

<308> Swissprot P40242

<309> 1995-02-31

<400> 3

His Gly Gly Gly Gly Trp Gly Gln Gly Gly Thr His Gly

1

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Although the <211> response is "264," only 13 amino acids are shown. Please insert a <300> above <308>. The amino acid numbers are misaligned. These errors appear in subsequent sequences.

<210> 4

<211> 256

<212> PRT

<213> Tragelaphus strepsiceros

<220>

<223> fragment AA 64-75 of Trast prion protein 2 precursor (PrP2 Trast)

<308> Swissprot P40243

<309> 1995-02-31

<400> 4

His Gly Gly Gly Trp Gly Gln Pro His Val Gly Gly

Although the <211> response is "256," only 12 amino acids are shown

above. Please insert a <300> above <308>. Please insert amino acid numbers under every 5 amino acids--do not use TAB codes. All of these errors appear in subsequent sequences.

<210> 12
<211> 13
<212> PRT
<213> Calliphora vicina
<220>
<223> Alloferon 1
<310> RU 2172322 C1
<311> 1999-12-27
<312> 2001-08-20
<400> 12
His Gly Val Ser Gly His Gly Gln His Gly Val His Gly
1 5 10

Please insert a <300> above <310>. The amino acid numbers are misaligned.

<210> 13
<211> 5
<212> PRT
<213> Artificial sequence
<220>
<223> Fragment AA 1-5 of peptide SEQ ID NO 1
<400> 13
His Gly Val Ser Gly
1 5

The above <223> response is an insufficient explanation for "Artificial Sequence": please give more information regarding the source of the genetic material. The amino acid numbers are misaligned.

<210> 14
<211> 4
<212> PRT
<213> Artificial sequence
<220>
<223> Fragment AA 1-4 of peptides SEQ ID NO 2, 4, 8, 10, 11
<400> 14
His Gly Gly Gly

The above <223> response is an insufficient explanation of "Artificial Sequence". Please remove the "4" above; number the amino acids under every 5 amino acids. These errors appear in subsequent sequences.

<210> 23

<211> 6

<212> PRT

<213> Artificial sequence

<220>

<223> Fragment AA 8 - 13 of peptide SEQ ID NO 11

<400> 23

Gly Gly Gly Thr His Ser

1

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Substitute Sequence Listing

Page 1

The above <223> response is an insufficient explanation for "Artificial Sequence." The amino acid numbers are misaligned. Please remove the above text which appears at the end of the submitted file.

Application No: 10585715 Version No: 2.0

Input Set:**Output Set:**

Started: 2008-12-17 09:56:40.675
Finished: 2008-12-17 09:56:43.819
Elapsed: 0 hr(s) 0 min(s) 3 sec(s) 144 ms
Total Warnings: 16
Total Errors: 34
No. of SeqIDs Defined: 23
Actual SeqID Count: 23

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
E 323	Invalid/missing amino acid numbering SEQID (1)at Protein (5)
E 323	Invalid/missing amino acid numbering SEQID (1) POS (8)
E 323	Invalid/missing amino acid numbering SEQID (1)at Protein (10)
E 323	Invalid/missing amino acid numbering SEQID (2)at Protein (5)
E 323	Invalid/missing amino acid numbering SEQID (2) POS (8)
E 323	Invalid/missing amino acid numbering SEQID (2)at Protein (10)
E 331	Count of Protein differs from the <211> tag Input: 264
E 323	Invalid/missing amino acid numbering SEQID (3)at Protein (5)
E 323	Invalid/missing amino acid numbering SEQID (3) POS (8)
E 323	Invalid/missing amino acid numbering SEQID (3)at Protein (10)
E 331	Count of Protein differs from the <211> tag Input: 264
E 331	Count of Protein differs from the <211> tag Input: 256
E 331	Count of Protein differs from the <211> tag Input: 256
E 331	Count of Protein differs from the <211> tag Input: 256
E 331	Count of Protein differs from the <211> tag Input: 264
E 331	Count of Protein differs from the <211> tag Input: 264
E 331	Count of Protein differs from the <211> tag Input: 253
E 331	Count of Protein differs from the <211> tag Input: 253
E 331	Count of Protein differs from the <211> tag Input: 253

Input Set:

Output Set:

Started: 2008-12-17 09:56:40.675
Finished: 2008-12-17 09:56:43.819
Elapsed: 0 hr(s) 0 min(s) 3 sec(s) 144 ms
Total Warnings: 16
Total Errors: 34
No. of SeqIDs Defined: 23
Actual SeqID Count: 23

Error code	Error Description
E 323	Invalid/missing amino acid numbering SEQID (12)at Protein (5)
E 323	Invalid/missing amino acid numbering SEQID (12) POS (7)
E 323	Invalid/missing amino acid numbering SEQID (12)at Protein (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
E 323	Invalid/missing amino acid numbering SEQID (13)at Protein (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
E 323	Invalid/missing amino acid numbering SEQID (16)at Protein (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
E 323	Invalid/missing amino acid numbering SEQID (17)at Protein (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
E 323	Invalid/missing amino acid numbering SEQID (18)at Protein (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
E 323	Invalid/missing amino acid numbering SEQID (19)at Protein (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)
E 323	Invalid/missing amino acid numbering SEQID (20)at Protein (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (21)
E 323	Invalid/missing amino acid numbering SEQID (21)at Protein (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (22)
E 323	Invalid/missing amino acid numbering SEQID (22)at Protein (5) This error has occurred more than 20 times, will not be displayed
W 213	Artificial or Unknown found in <213> in SEQ ID (23)

Input Set:

Output Set:

Started: 2008-12-17 09:56:40.675
Finished: 2008-12-17 09:56:43.819
Elapsed: 0 hr(s) 0 min(s) 3 sec(s) 144 ms
Total Warnings: 16
Total Errors: 34
No. of SeqIDs Defined: 23
Actual SeqID Count: 23

Error code	Error Description
W 112	Upper case found in data; Found at position(0) SEQID(23)
W 112	Upper case found in data; Found at position(10) SEQID(23)
E 342	'n' position not defined found at POS: 16 SEQID(23)
W 112	Upper case found in data; Found at position(18) SEQID(23)
E 342	'n' position not defined found at POS: 24 SEQID(23)
W 112	Upper case found in data; Found at position(25) SeqId(23)
E 259	Found undefined lettercode; POS (29) SEQID(23)

List of sequences

<110> Chernysh Sergey Ivanovich

<120> Antitumoral and antiviral peptides

<160> 23

<210> 1

<211> 13

<212> PRT

<213> Artificial sequence

<220>

<223> Allostatin 1

<400> 1

His Gly Val Ser Gly Trp Gly Gln His Gly Thr His Gly

1

5

10

<210> 2

<211> 264

<212> PRT

<213> Tragelaphus strepsiceros

<220>

<223> fragment AA 80-91 of Trast prion protein 1 precursor (PrP1 Trast)

<308> Swissprot P40242

<309> 1995-02-31

<400> 2

His Gly Gly Gly Trp Gly Gln Pro His Gly Gly Gly

1

5

10

<210> 3

<211> 264

<212> PRT

<213> Tragelaphus strepsiceros

<220>

<223> fragment AA 96-108 of Trast prion protein 1 precursor (PrP1 Trast)

<308> Swissprot P40242

<309> 1995-02-31

<400> 3

His Gly Gly Gly Gly Trp Gly Gln Gly Gly Thr His Gly

1

5

10

<210> 4

<211> 256

<212> PRT

<213> Tragelaphus strepsiceros

<220>

<223> fragment AA 64-75 of Trast prion protein 2 precursor (PrP2 Trast)

<308> Swissprot P40243

<309> 1995-02-31

<400> 4

His Gly Gly Gly Gly Trp Gly Gln Pro His Val Gly Gly

<210> 5

<211> 256

<212> PRT

<213> Tragelaphus strepsiceros

<220>

<223> fragment AA 72-83 of Trast prion protein 2 precursor (PrP2 Trast)

<308> Swissprot P40243

<309> 1995-02-31

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His Val Gly Gly Trp Gly Gln Pro His Gly Gly Gly

<210> 6

<211> 256

<212> PRT

<213> *Tragelaphus strepsiceros*

<220>

<223> fragment AA 88-100 of Trast prion protein 2 precursor (PrP2 Trast)

<308> Swissprot P40243

<309> 1995-02-31

<400> 6

His Gly Gly Gly Gly Trp Gly Gln Gly Gly Thr His Gly

<210> 7

<211> 264

<212> PRT

<213> *Bos taurus*

<220>

<223> fragment AA 96 - 108 of Bovine prion protein 1 precursor (Prio bovin)

<308> Swissprot P10279

<309> 1989-03-10

<400> 7

His Gly Gly Gly Gly Trp Gly Gln Gly Gly Thr His Gly

<210> 8

<211> 264

<212> PRT

<213> *Bos taurus*

<220>

<223> fragment AA 64-75 of Bovine prion protein 1 precursor (Prio bovin)

<308> Swissprot P10279

<309> 1989-03-10

<400> 8

His Gly Gly Gly Trp Gly Gln Pro His Gly Gly Gly

<210> 9

<211> 253

<212> PRT

<213> *Homo sapiens*

<220>

<223> fragment AA 52-66 of human prion protein precursor (PrP Human)

<308> Swissprot P04156

<309> 1986-11-03

<400> 9

Gln Gly Gly Gly Gly Trp Gly Gln Pro His Gly Gly Gly Trp Gly

<210> 10

<211> 253

<212> PRT

<213> *Homo sapiens*

<220>

<223> fragment AA 69-83 of human prion protein precursor (PrP Human)

<308> Swissprot P04156

<309> 1986-11-03

<400> 10

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<312> 2001-08-20
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1 5 10

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His Gly Val Ser Gly
1 5

<210> 14
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<212> PRT
<213> Artificial sequence
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<400> 14
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1 4

<210> 15
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<213> Artificial sequence
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<223> Fragment AA 1-4 of peptide SEQ ID NO 5
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1 4

<210> 16
<211> 5

<212> PRT
<213> Artificial sequence
<220>
<223> Fragment AA 1-5 of peptide SEQ ID NO 3, 7
<400> 16
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1 5

<210> 17
<211> 5
<212> PRT
<213> Artificial sequence
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1 5

<210> 18
<211> 5
<212> PRT
<213> Artificial sequence
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<223> Fragment AA 9 - 13 of peptide SEQ ID NO 1
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His Gly Thr His Gly
1 5

<210> 19
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<212> PRT
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<223> Fragment AA 9 - 13 of peptide SEQ ID NO 3
<400> 19
Gly Gly Thr His Gly
1 5

<210> 20
<211> 5
<212> PRT
<213> Artificial sequence
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<223> Fragment AA 8 - 12 of peptide SEQ ID NO 4
<400> 20
Pro His Val Gly Gly
1 5

<210> 21
<211> 5
<212> PRT
<213> Artificial sequence
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<223> Fragment AA 8 - 12 of peptide SEQ ID NO 2, 5, 8
<400> 21
Pro His Gly Gly Gly
1 5

<210> 22
<211> 7
<212> PRT
<213> Artificial sequence
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<223> Fragment AA 9 - 15 of peptide SEQ ID NO 9, 10
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<210> 23
<211> 6
<212> PRT
<213> Artificial sequence
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<223> Fragment AA 8 - 13 of peptide SEQ ID NO 11
<400> 23
Gly Gly Gly Thr His Ser
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Substitute Sequence Listing